# Smooth Subdivision Surfaces Based on Triangles

by

Charles Teorell Loop

A thesis submitted to the faculty of the University of Utah in partial fulfillment of the requirements for the degree of

Master of Science

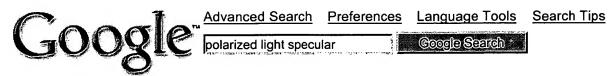
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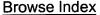
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... Basic Principle - when a **polarized light** beam reflects from any **specular** surface, changes occur in both the amplitude and the phase of the oscillating parallel ... www.chm.colostate.edu/erf/teaching/c532/ellipsom.htm - 9k - <u>Cached</u> - <u>Similar pages</u>

### chapter 5.1

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Adrian Gh. ... POLARIZATION TOMAGRAPHY OF BIOTISSUE IMAGES Alexander G ... optics.sgu.ru/SFM/2002/internet/ - 27k - Cached - Similar pages

#### SFM - 2002 - Biophysics - Welcome

... Optical coherent tomography – **light** scattering and images enhance ... **Polarization** OCT, Johannes F. de Boer, MGH ... En-**face** OCT Imaging, Adrian Podoleanu, University ... optics.sgu.ru/SFM/2002/biophysics/about.html - 15k - <u>Cached</u> - <u>Similar pages</u> [ More results from optics.sgu.ru ]

#### A Scientific look at the Sand

... Crystals have the property of rotating a **polarized light** beam and ... to the naked eye and is so **light** that it ... samples and determine the degree of risk we **face**. ... personal.inet.fi/cool/aino.williams/ sand04/out/index4.htm - 11k - Cached - Similar pages

#### [PDF] Development and calibration of an automated Mueller matrix ...

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... 17–19 structures to allow for subsur- **face** imaging. ... depict how a biological sample affects the **polarization** vector of an incident **light** beam, determined ... bmol.eng.utoledo.edu/publicaitions\_files/ polarization%20imaging%20system.pdf - <u>Similar pages</u>

### [PDF] Membrane Lipid Organization Is Critical for Human Neutrophil ...

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... Each data point represents **measurements** from 2,000 cells, and ... with 10 M myosin **light** chain kinase ... fMLF neutrophils un- dergo **polarized** morphological changes ... www.jbc.org/cgi/reprint/278/12/10831.pdf - <u>Similar pages</u>

#### [PDF] Structural Basis for Potent Slow-Binding Inhibition of Human ...

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... at less than 10 Å from any **face** of the ... absorbance of right- and left-circularly **polarized light** (rather than ... commonly used absorbance of isotropic **light**) by a ... www.jbc.org/cgi/reprint/M301139200v1.pdf - <u>Similar pages</u> [ <u>More results from www.jbc.org</u> ]

# Journal of the Optical Society of America A - Archives

... 1111 (734 KB)] Wavelet networks for **face** processing V ... the Goos-Hanchen shift for p -polarized beams in a ... contrast parameters of coherent light Philippe Refregier ... josaa.osa.org/ browse.cfm?journal=1&volume=,19&issue=,19-6,19-1 - 53k - <u>Cached</u> - <u>Similar pages</u>

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... 2 Towards Globalization with a **Human Face**: Implementation of ... realms, while everything that absorbs **light** belongs to ... lead us away from the current **polarization**. ... r0.unctad.org/gcandswissbusiness/ presentations/Leisinger1.pdf - <u>Similar pages</u>

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... (Formats: SSI) (SRI); Johns Hopkins polarization images - several sets of four images ... Yale Fac Database B - 5760 single light source images of 10 subjects ... www.cs.cmu.edu/~cil/v-images.html - 20k - Feb 24, 2004 - Cached - Similar pages

#### [PDF] There Is No Passive Recording There is no Passive Recording

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... is no passive recording 45 Polarizing filter • Control ... Portrait lighting • Strong back **light** Snapshot-Perspective ... etc – Balance the **face** – Not limited ... graphics.csail.mit.edu/~fredo/ArtAndScienceOfDepiction/ 2 NoPassiveRecording/noPassiveRecording6bw.pdf - Similar pages

Image and Vision Computing, volume me 15 (1997)

... and Lawrence B. Wolff, Using **light polarization** in laser ... and JE Adams, Automatic **measurement** of vertebral ... C. Vondermalsburg, Determination of **face** position and ... www.ph.tn.tudelft.nl/PRInfo/volumes/ Image.and.Vision.Computing.15.html - 12k - Cached - Similar pages

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#### [PDF] The Human Face of the Asian Financial Crisis in Malaysia and ...

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... not support **human** security in the **face** of catastrophes ... Social safety nets are public **measures** designed to ... class structure and social **polarization** between those ... www.american.edu/academic.depts/ sis/sword/Current\_lssue/4.pdf ~ Similar pages

# Nikon MicroscopyU: de Sénarmont Bias Retardation in DIC ...

... phase shift across the **face** of the ... for quantitative bias retardation **measurement** is illustrated ... originally designed for **polarized light measurements**) housed in ... www.microscopyu.com/articles/ dic/desenarmontdicintro.html - 63k - <u>Cached</u> - <u>Similar pages</u>

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... allowed for sustained, **fa** e-to-**face** interaction, it ... The workshop also brought to **light** significant differences ... abusers and can increase anger and **polarization**. ... www.cceia.org/viewMedia.php/prmTemplateID/1/prmID/161 - 45k - <u>Cached</u> - <u>Similar pages</u>

#### The Human Vision System

... has a direction, an intensity, a **polarization**, and that ... Temporal frequency is present in flickering **light**, as objects ... If a **face** has a certain set of features ... www.wayfinding.net/vsionsys.htm - 29k - <u>Cached</u> - <u>Similar pages</u>

#### ICCV2003 Accepted Papers List

... 475, Face Sketch Synthesis and Recognition. ... 741, Polarization-based Inverse Rendering from a Single View ... 795, Determining Reflectance and Light Position from a ... www.inrialpes.fr/lear/people/triggs/ events/iccv03/accepted\_papers.html - 23k - Cached - Similar pages

#### Terms to Know

... the line of sight to either side of the **face**. ... or water sports would benefit from **polarized** lenses ... Polycarbonate A synthetic, **light** material used to create impact ... www.drchong.com/terms.html - 11k - Cached - Similar pages

#### [PDF] ELECTRIC GRAVITY AND INSTANTANEOUS LIGHT charge polarization ...

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... c where c denotes the velocity of **light** and the ... The direction of charge **polarization** is opposite on ... such that opposite moving current segments **face** each other ... users bestweb net/~sansbury/book03.PDF - <u>Similar pages</u>

#### Science and Astrology by Ashish Khandekar

... Augustine Jean Fresnel refined the theory of **polarized light**. ... of new theory proving **light** to be ... other sciences like palmistry, Numerology, **Face** Reading, Ramala ... www.indianest.com/astro/00335.htm - 26k - Cached - Similar pages

#### Holographic Image in a Window Pane

... of the 3rd Kind") on the right side of his face and a ... I measured up from ground level to a height of 30 inches ... The second test was with polarized light. ... ufoconspiracy.com/reports/holographic image.htm - 16k - Cached - Similar pages

### [PDF] TOME

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... a manu- script entitled: **Human** Monoclonal Antiphosphol ... Sur- **face measurements** (see figure) will provide a ... field, fluorescence and **polarized light** microscopy in ... www.med.uvm.edu/microscopyimaging/ downloads/microTOMEfall2002.pdf - Similar pages

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... PrintFree™ HEA® applied to the linear **polarizer** showed significant ... display to acquire information regardless of **light** levels ... dust build up on the **face** of the ... www.ocli.com/pdf\_files/products/ linear\_polarizer\_adv.pdf - <u>Similar pages</u>

# Optoelectronics - Devices that create, manipulate, and detect light ...

... Polarization Rotators - Rotates incident linearly polarized light about an ... do not distinguish between light of different ... needle indicator is a face upon which ... optical-components.globalspec.com/ProductGlossary/ Optics\_Optical\_Components/Optoelectronics - 74k - Cached - Similar pages

#### [PDF] Light Science

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... overlapping bits of real cellophane between the **polarizing** lenses. ... Slowly bring the card toward your **face**. ... fibers enter the retina, there are no **light** receptors ... www.smv.org/pubs/PSSolutionsLightSci.pdf - Similar pages

# ALS Infrared Beamlines 1.4.1, 1.4.2 and 1.4.3

... cm -1; Martin-Puplet interferometer with p larizing and amplitute ... Vallejo Teachers:

8 of 10 2/26/04 10:47 AM

Face to Fac with Science Currents ... prime time at BL1.4. First Light from the ... infrared.als.lbl.gov/ - 19k - <u>Cached</u> - <u>Similar pages</u>

#### [PDF] IEEE MTT/AP/ED October Meeting

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... with an interest in instrumentation **measurement** and control ... plain as the sunglasses on your **fac** . ... **polarized light** and to restrict horizontally **polariz d light**. ... www.ewh.ieee.org/r3/floridawc/signal/sig2000\_10.pdf - <u>Similar pages</u>

#### [PDF] Kinetics of Human and Bovine Serum Albumin Adsorption at Silica ...

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... An external beam of **light** late adsorption behavior ... 3 ) . The **measured** total we have postulated two possible modes of ... gave a good fit to the experimen- **face** is a ... www.textorgroup.ch/pdf/publications/ journals/16/Kurrat\_1997a.pdf - <u>Similar pages</u>

#### Briefs - The Industrial Physicist

... First, **polarized light** from a laser aligns the spins of ... diode array and scanning the **polarizing** laser beam ... Next, the superlattice is placed **face** down onto an ... www.aip.org/tip/INPHFA/vol-9/iss-4/p8.html - 33k - <u>Cached</u> - <u>Similar pages</u>

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... assembled monolayer using UV ultraviolet **light** step 1 ... bands for p- and s-polarized incident beams. ... electrostatic affinity to the positively charged sur-face. ... www.mse.uiuc.edu/faculty/Granick/pub10.pdf - <u>Similar pages</u>

#### BS280 Morphological Research Methods and Imaging

... & Keats TE (1972) Atlas of Roentgenographic **Measurements**. ... ed (1994) Anthropometry of the Head and **face**. ... Bradbury S (1992) Qualitative **Polarized-light** Microscopy ... www.biomed2.man.ac.uk/ns/mm/bs280a.html - 19k - Cached - Similar pages

#### Science Topics - Light to Mining & Minerals

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... Fisher **Light**-Fields for **Face** Recognition Across Pose and ... 1996] ie the radiance of **light** in free ... of 3D position, 2D direction, wavelength, **polarization**, and time ... citeseer.nj.nec.com/context/85868/0 - 39k - Cached - Similar pages

# **CIE NEWS 36-1**

... JM Chilcott); Prophesying a UV-permeable **polarizer** (D. Karpen ... radiation in spectrum of selected **light** sources (J ... DP Crewther); The inverted **face** inversion effect ... www.ping.at/cie/publ/news/36/journal.htm - 10k - <u>Cached</u> - <u>Similar pages</u>

#### **Daggers Technical Specs**

... to custom fit the glasses to his/her **face**. ... **Polarization** denefits the wearer by reducing eye strain and ... that, each color within the Visible **Light** Spectrum has ... www.acvision.com/techinfo.htm - 12k - Cached - Similar pages

#### nV News - Light, Vision and Imagery - Page 2

... The windshields of cars are also **polarized** to reduce ... it strikes a piece of glass **face** on, but ... just mention another important characteristic of **light**: its speed ... www.nvnews.net/articles/light/light.shtml - 53k - Cached - Similar pages

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... **light** for studying and diagnosing **human** patholo- gies ... The **measurement** can be performed in two steps ... intensity of the horizon- tally **polarized light** is **m asur d ...** www.uhnres.utoronto.ca/biophotonics/staff papers/ vitkin/polarization\_6.pdf - Similar pages

# 2.1 Introduction

... in waveguides in most cases p and s **polarized** modes can ... At the fiber end **face** the **light** is reflected by a ... electric strip with a small mirror in the **light** path. ... www.lps.ens.fr/~berger/thesis/Chapter2.htm - 42k - Cached - Similar pages

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	4 A note on the theory of scattering from an irregular surface  Kodis R:					

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